

FIG. 1

MOVING BEADS

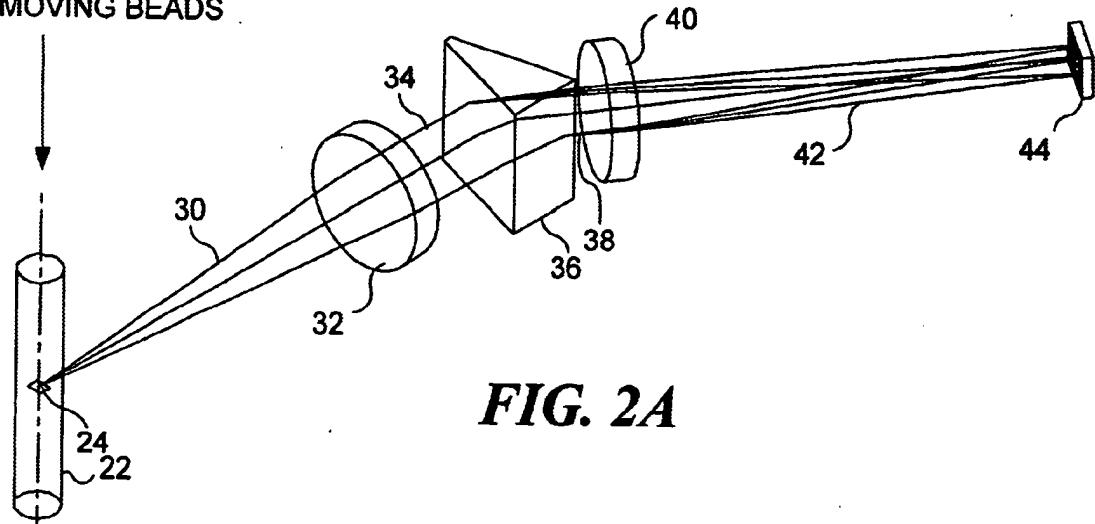


FIG. 2A

MOVING
OBJECT

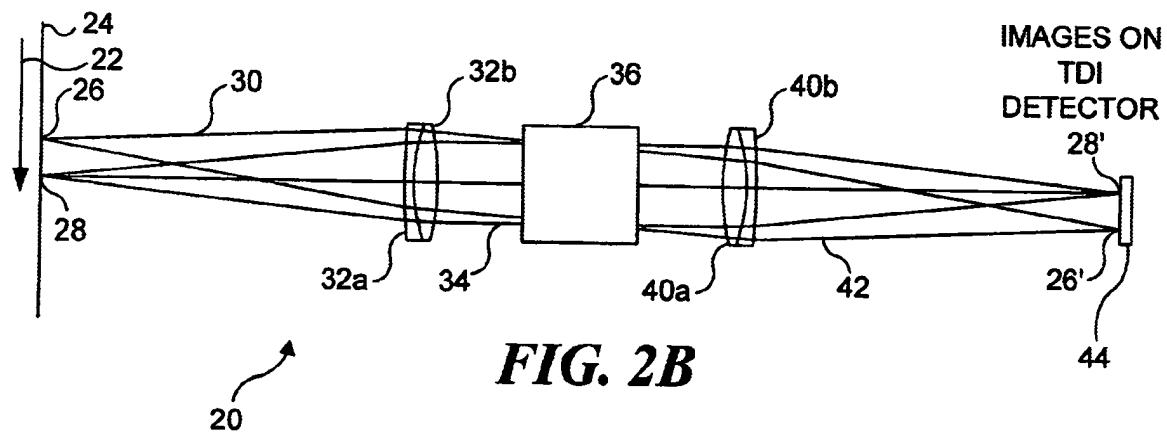


FIG. 2B

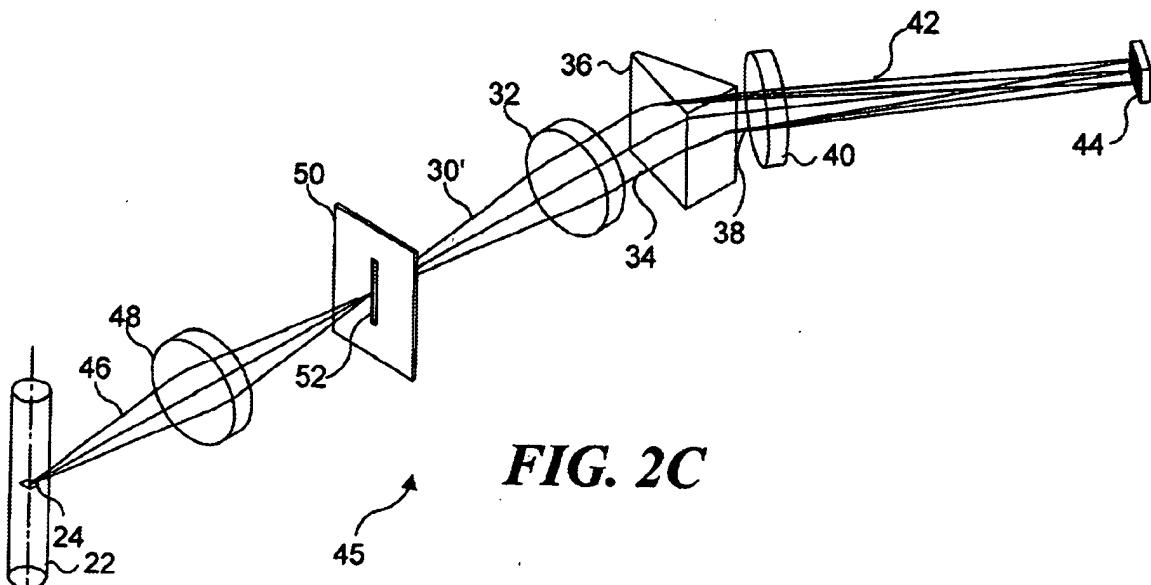


FIG. 2C

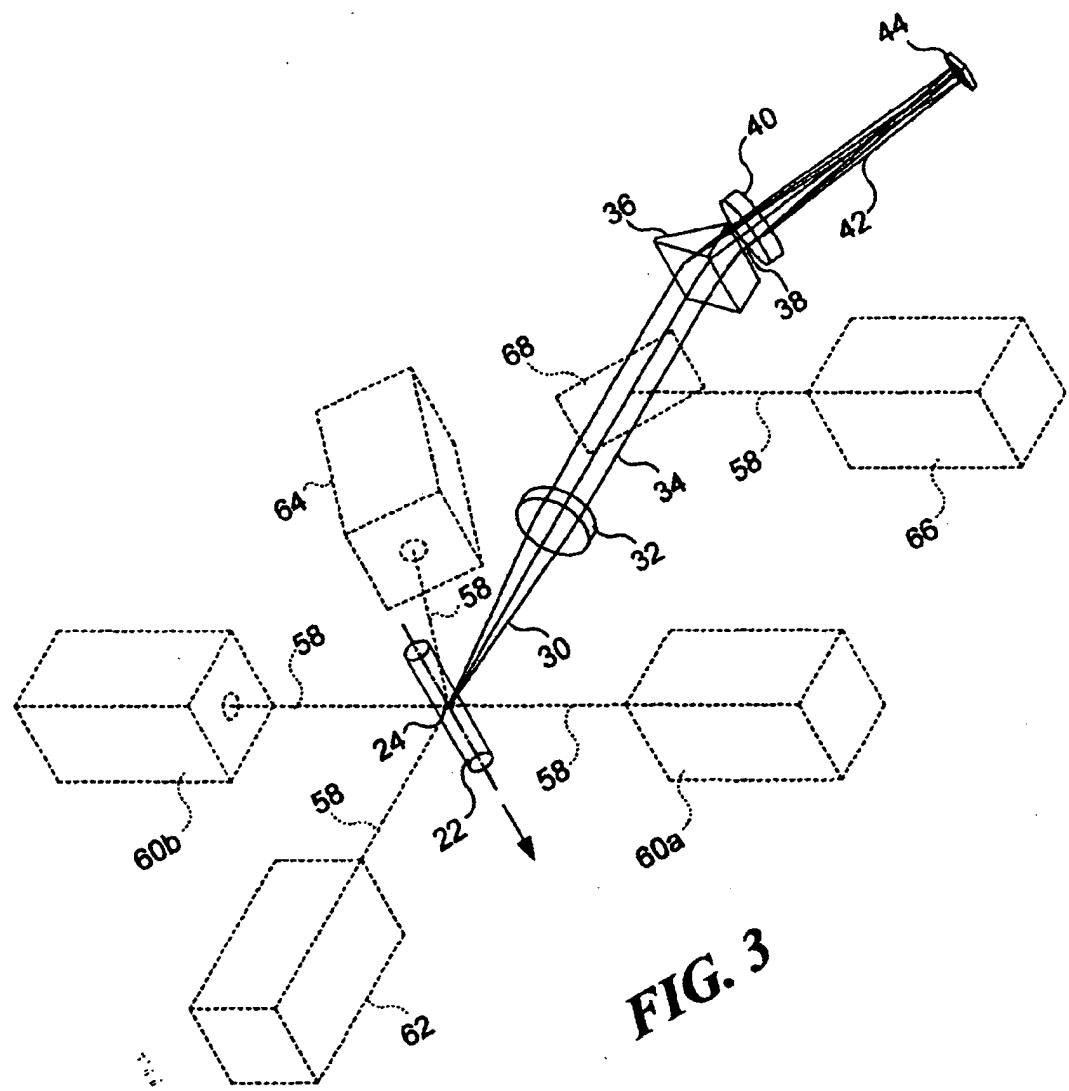


FIG. 3

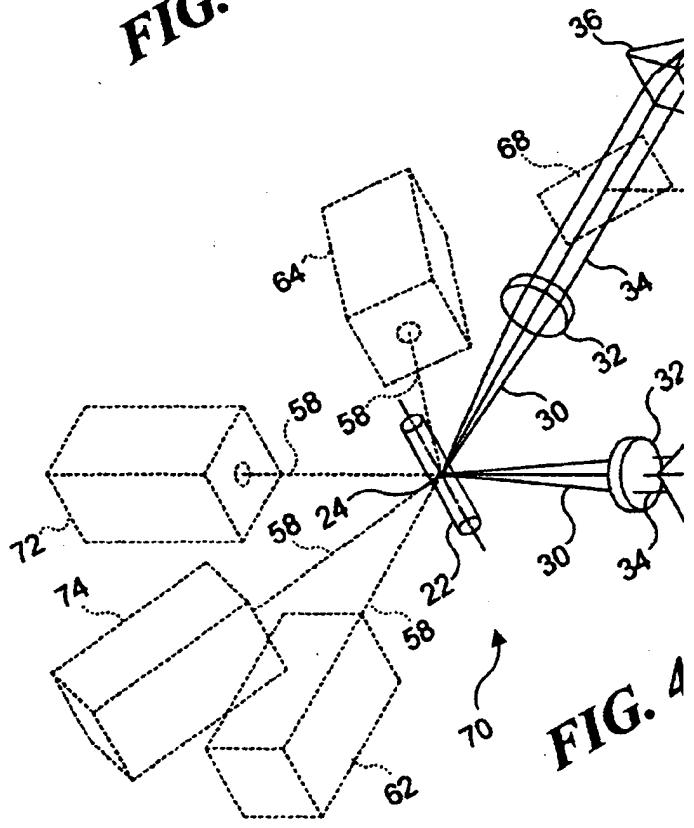


FIG. 4

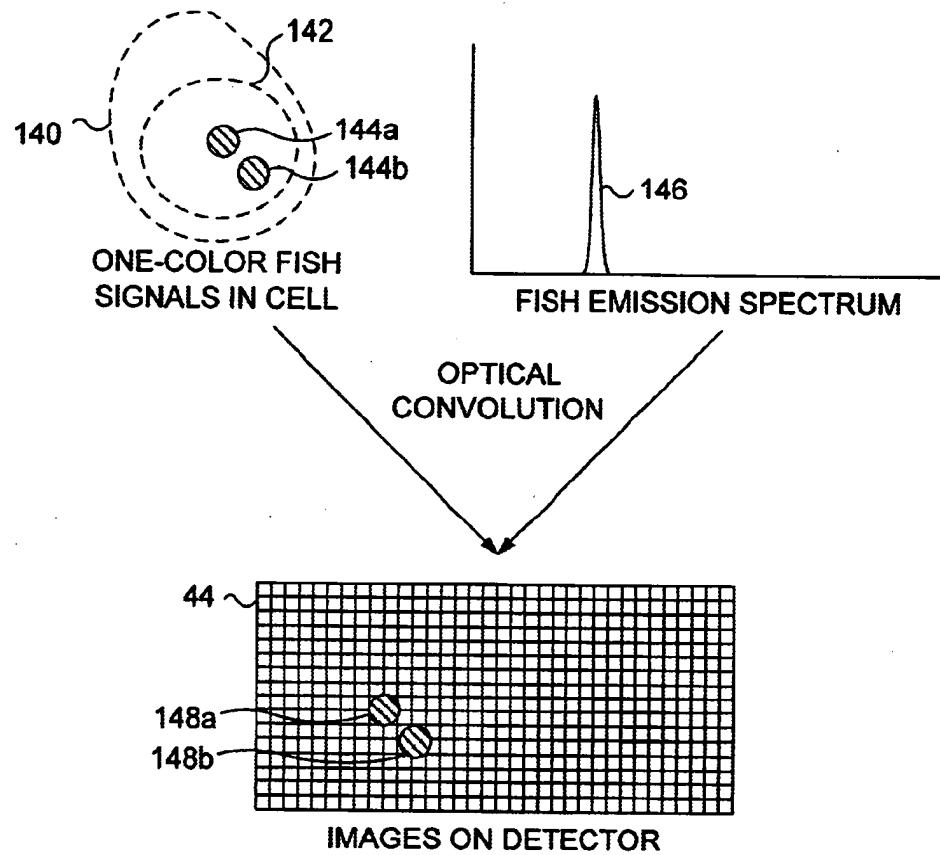


FIG. 5

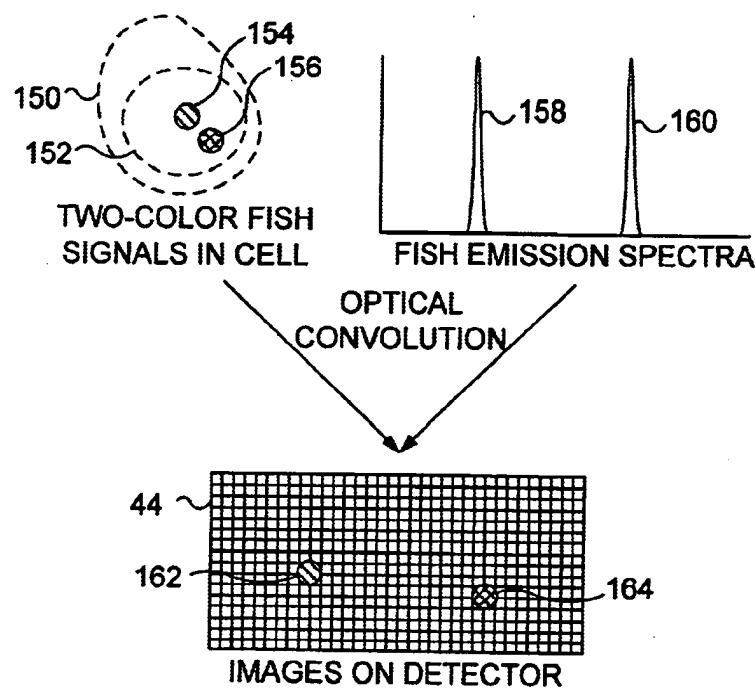


FIG. 6

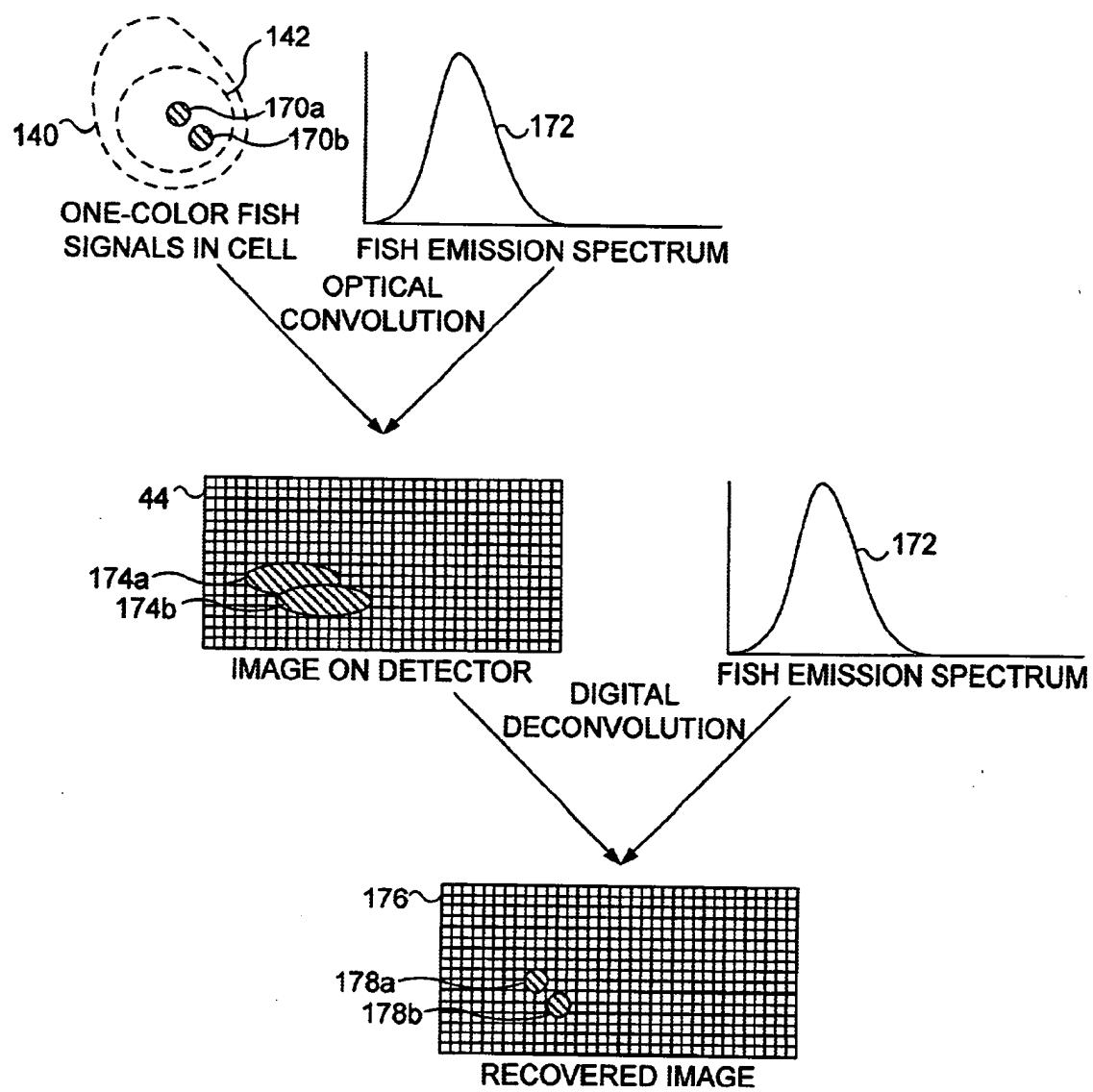


FIG. 7

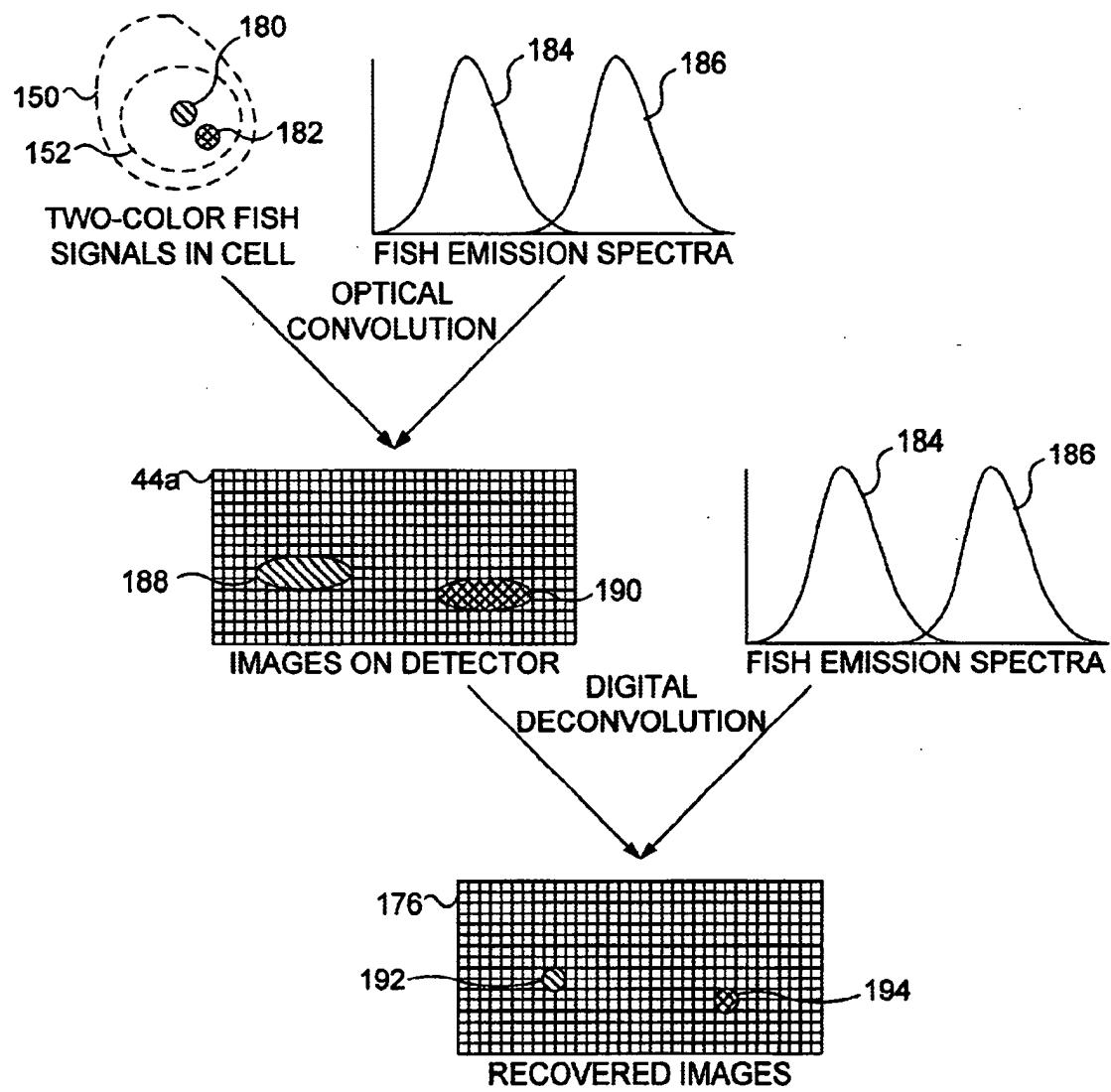


FIG. 8

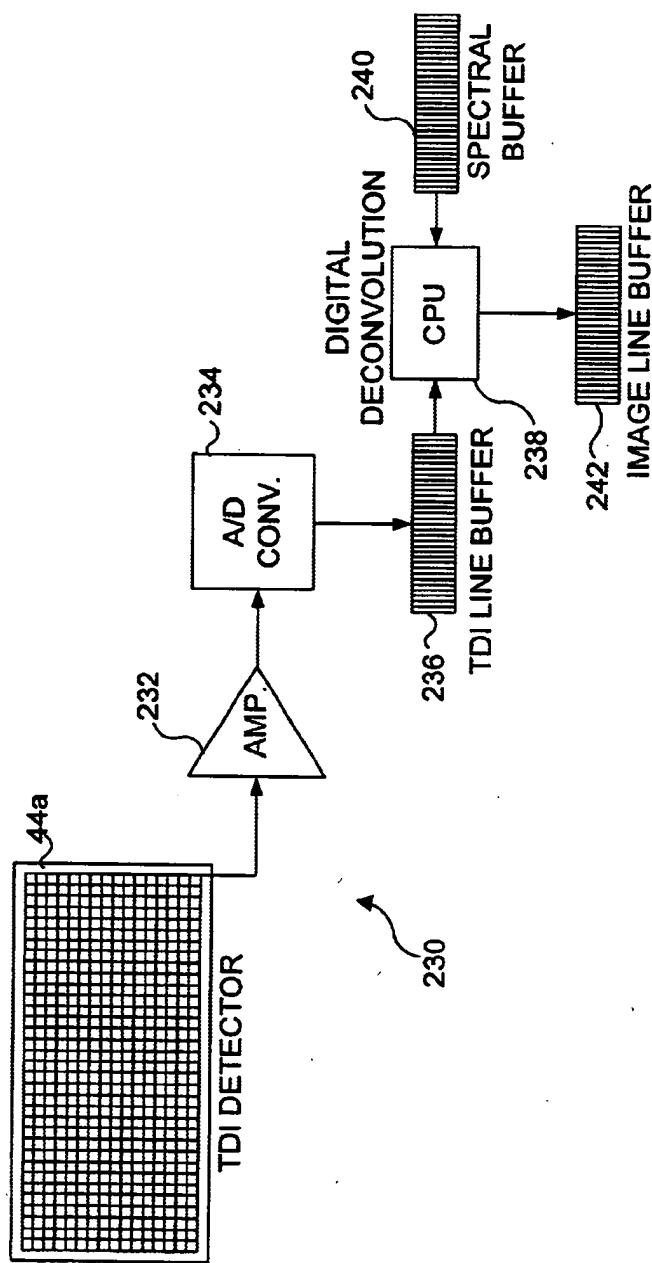


FIG. 9

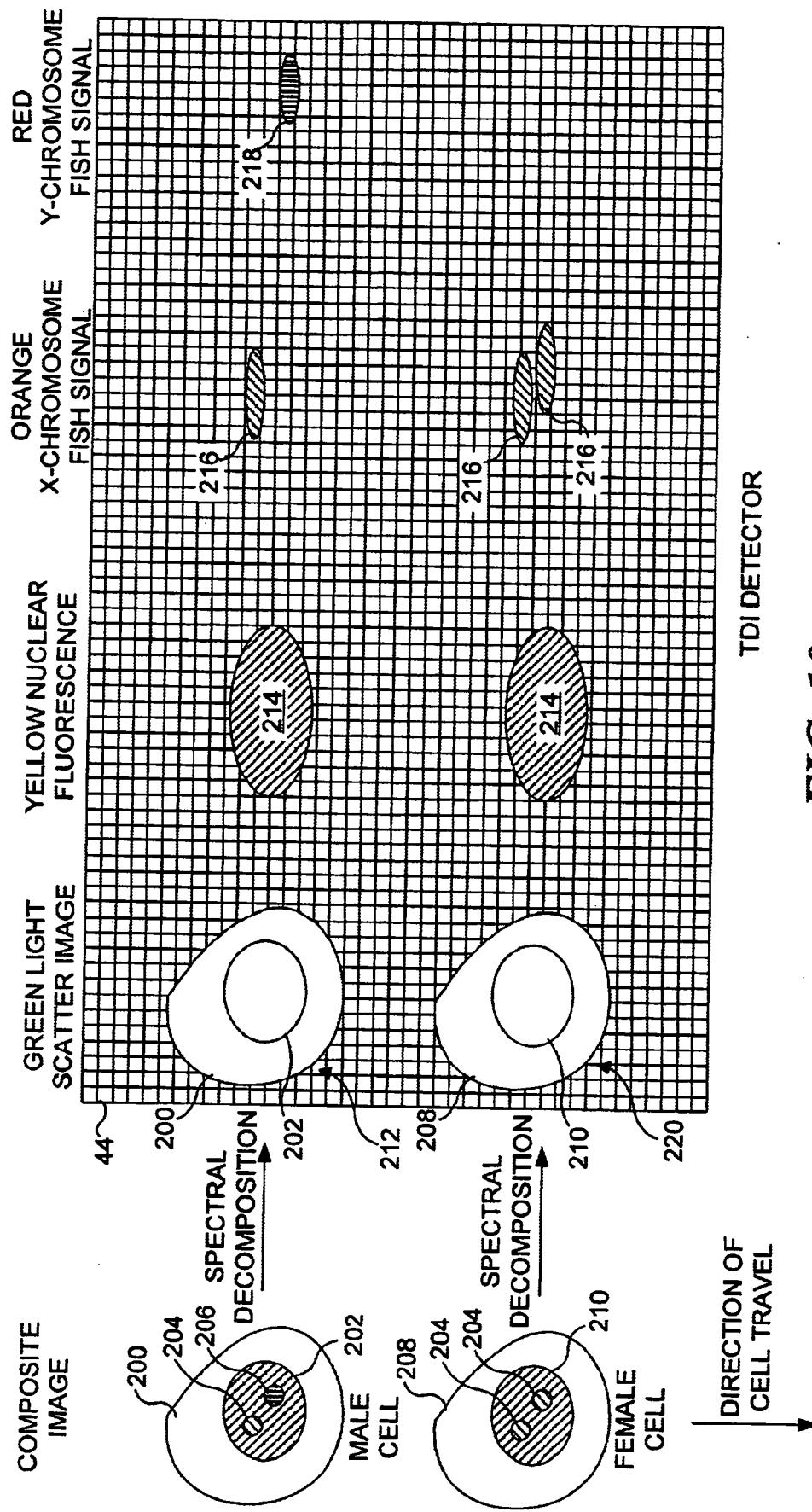


FIG. 10

STACKED DICHROIC MIRRORS

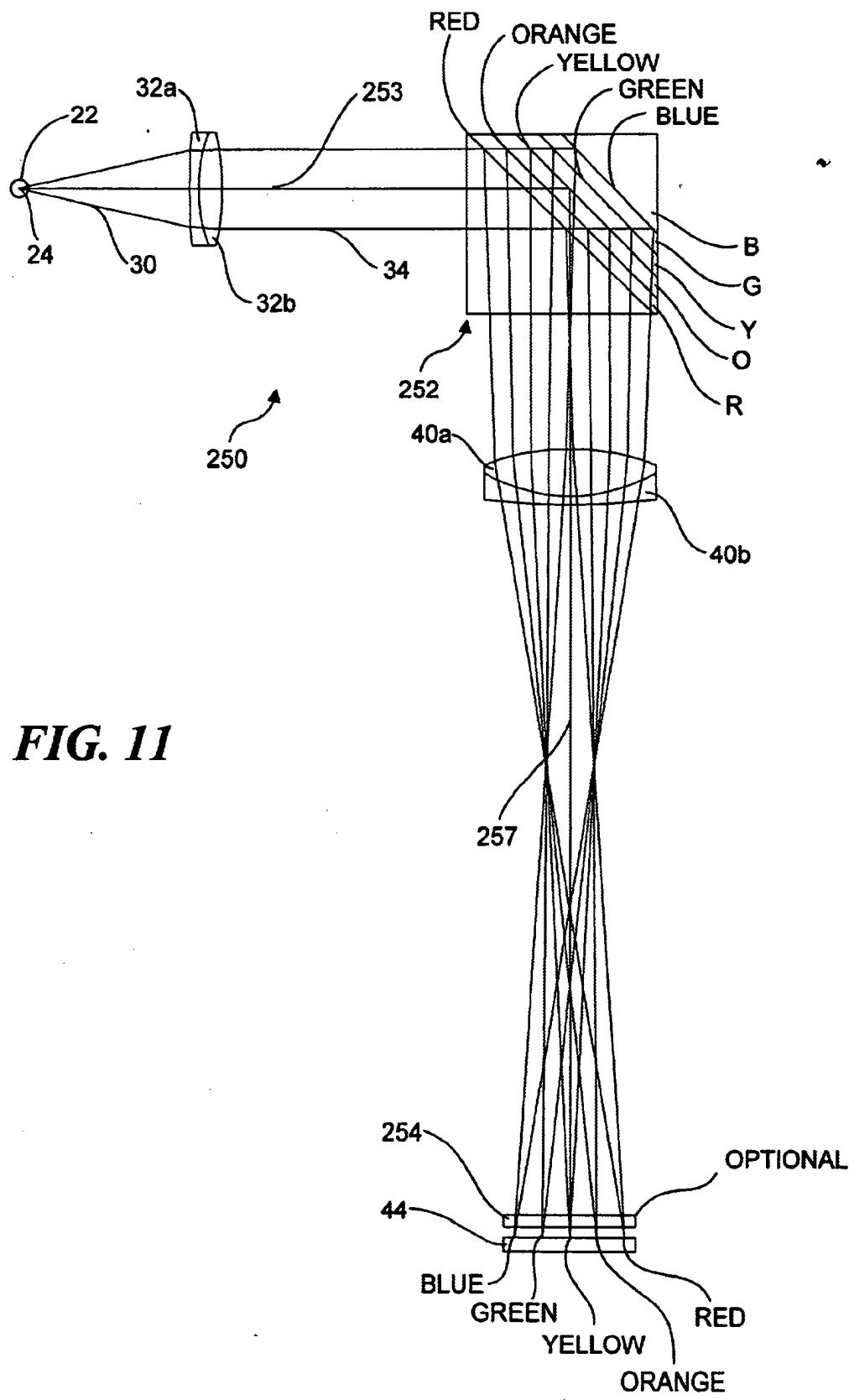


FIG. 11

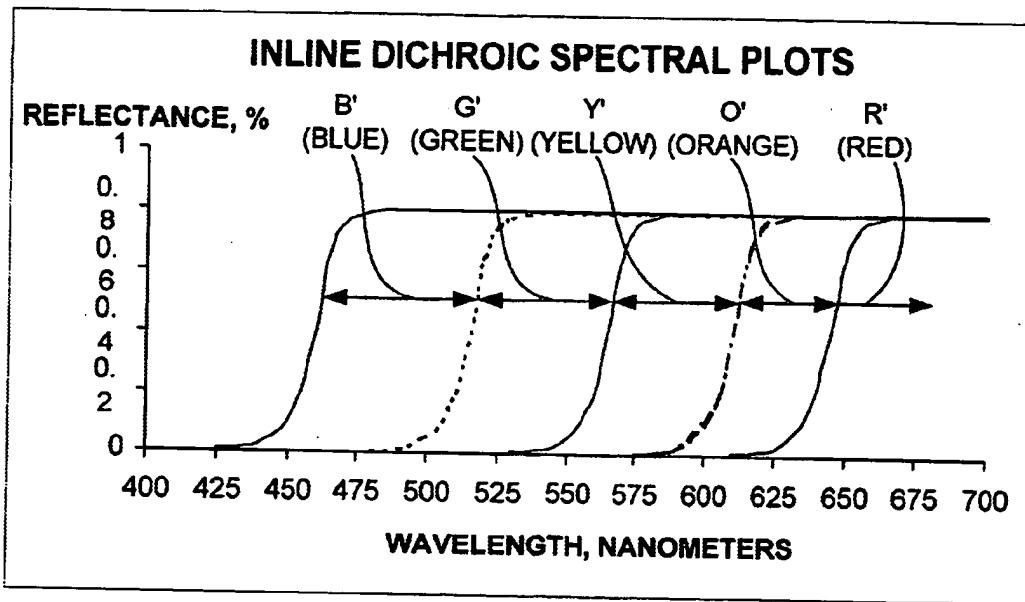


FIG. 12

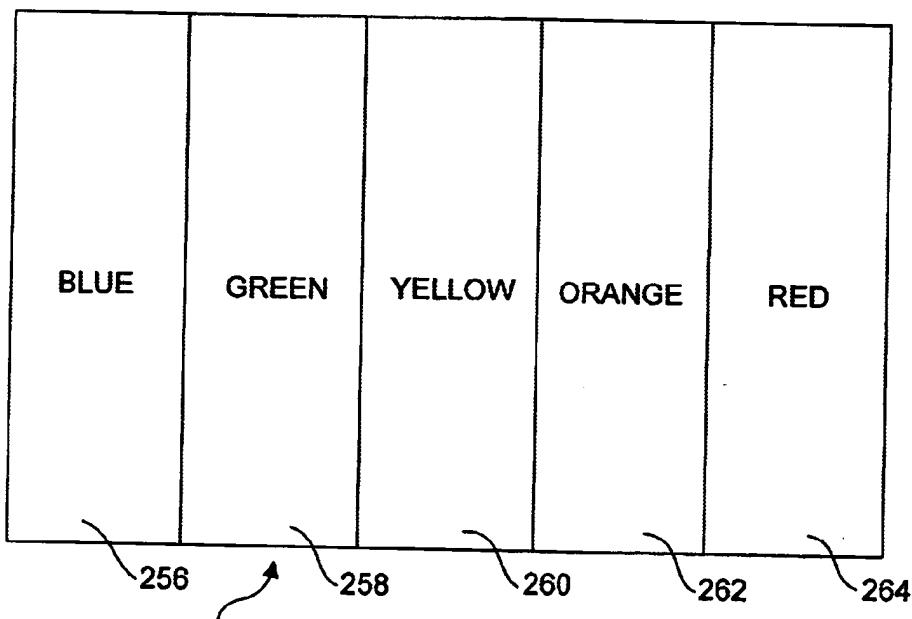


FIG. 13

BLUE BANDPASS

TRANSMISSION, %

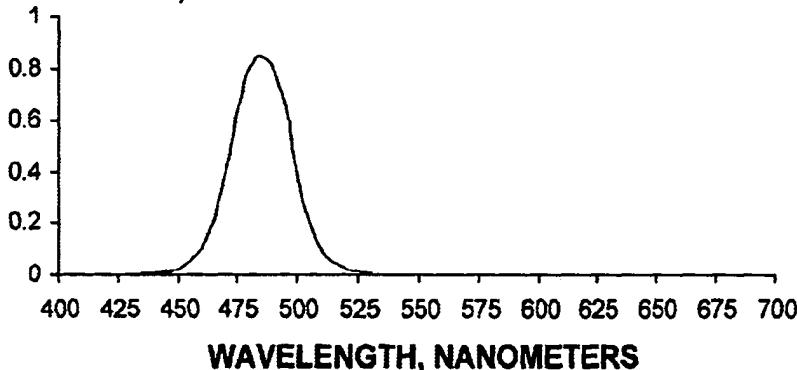


FIG. 14A

GREEN BANDPASS

TRANSMISSION, %

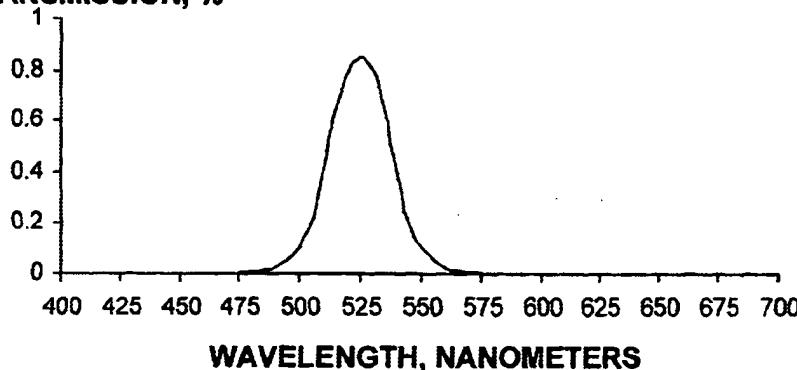


FIG. 14B

YELLOW BANDPASS

TRANSMISSION, %

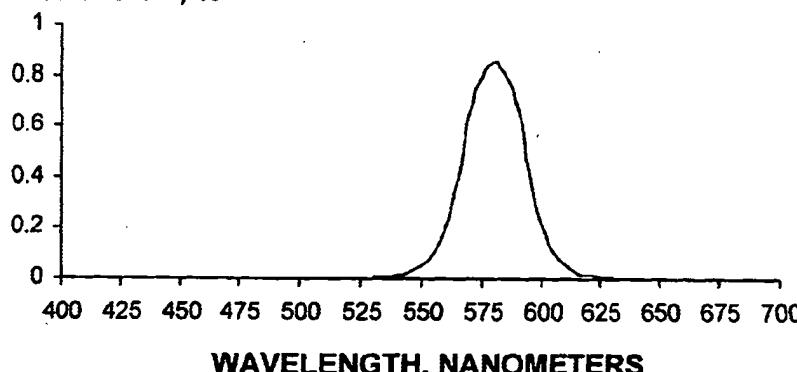


FIG. 14C

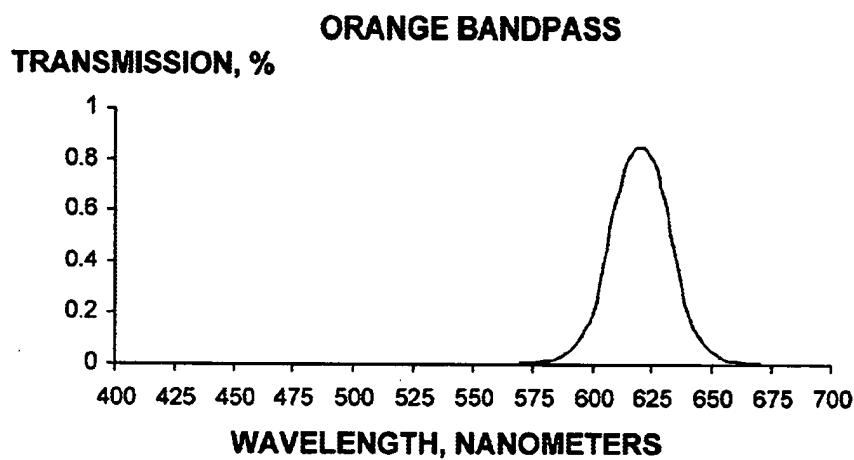


FIG. 14D

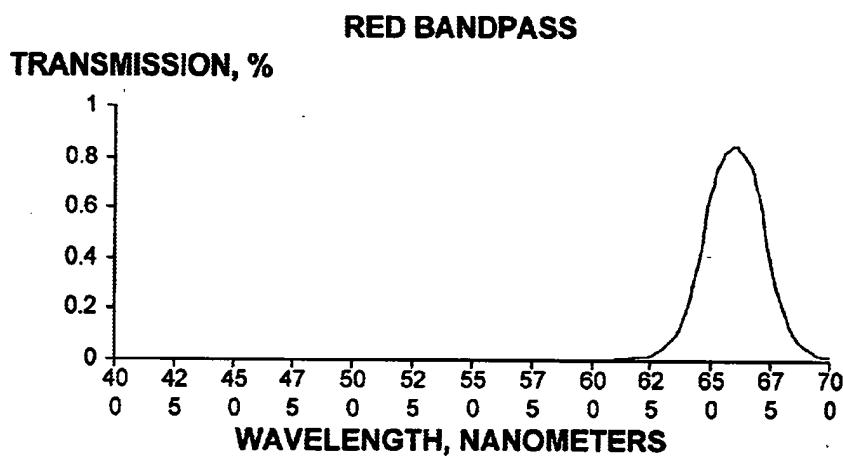


FIG. 14E

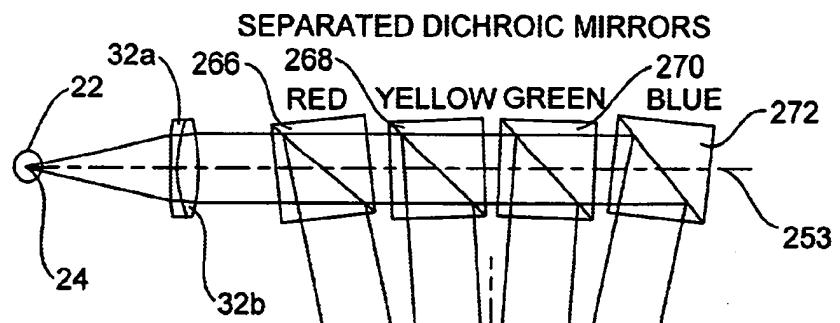
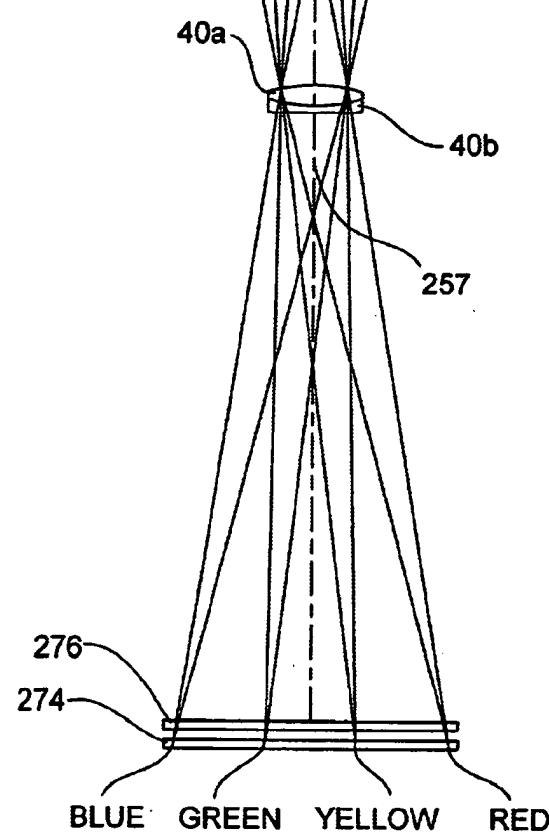


FIG. 15



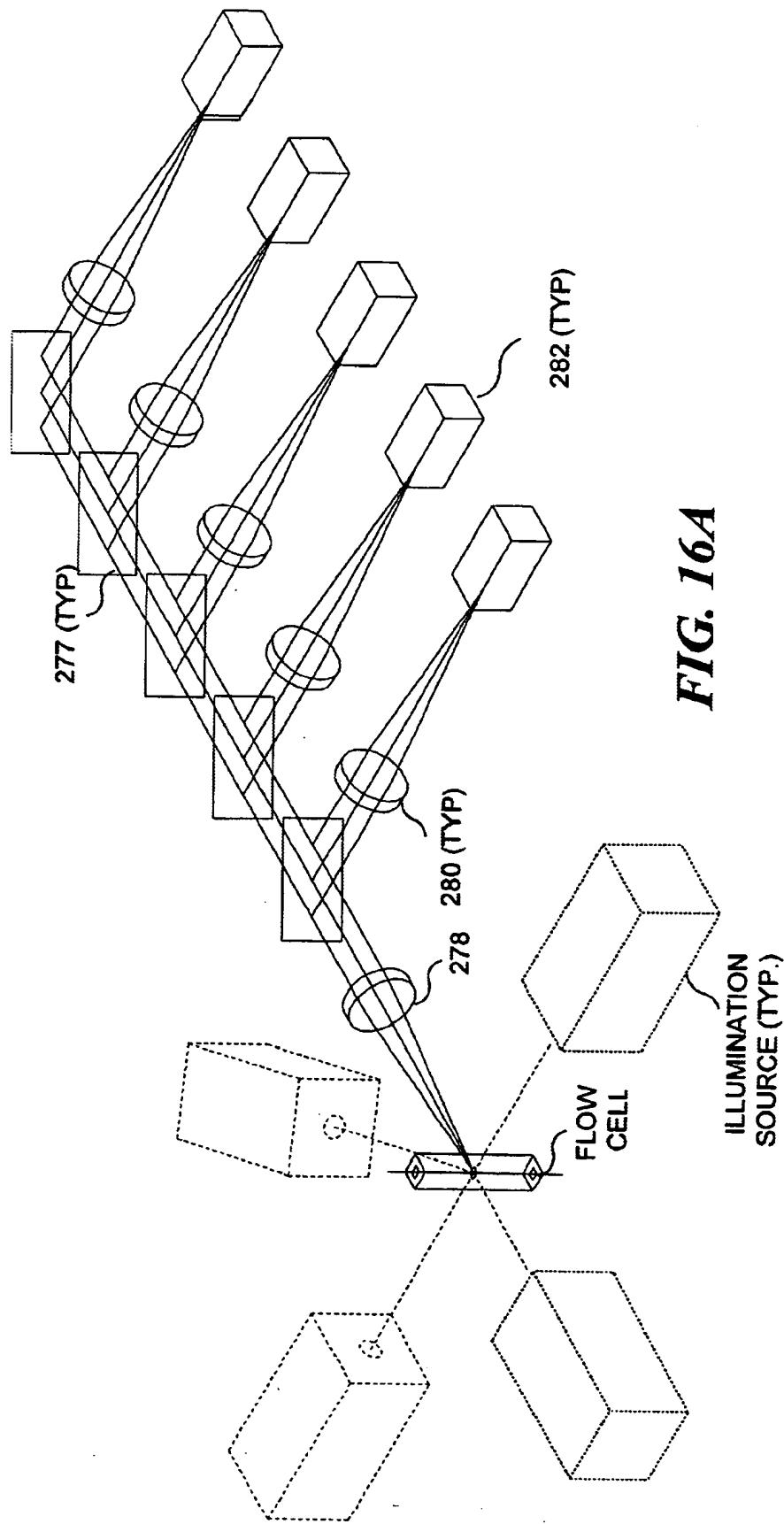


FIG. 16A

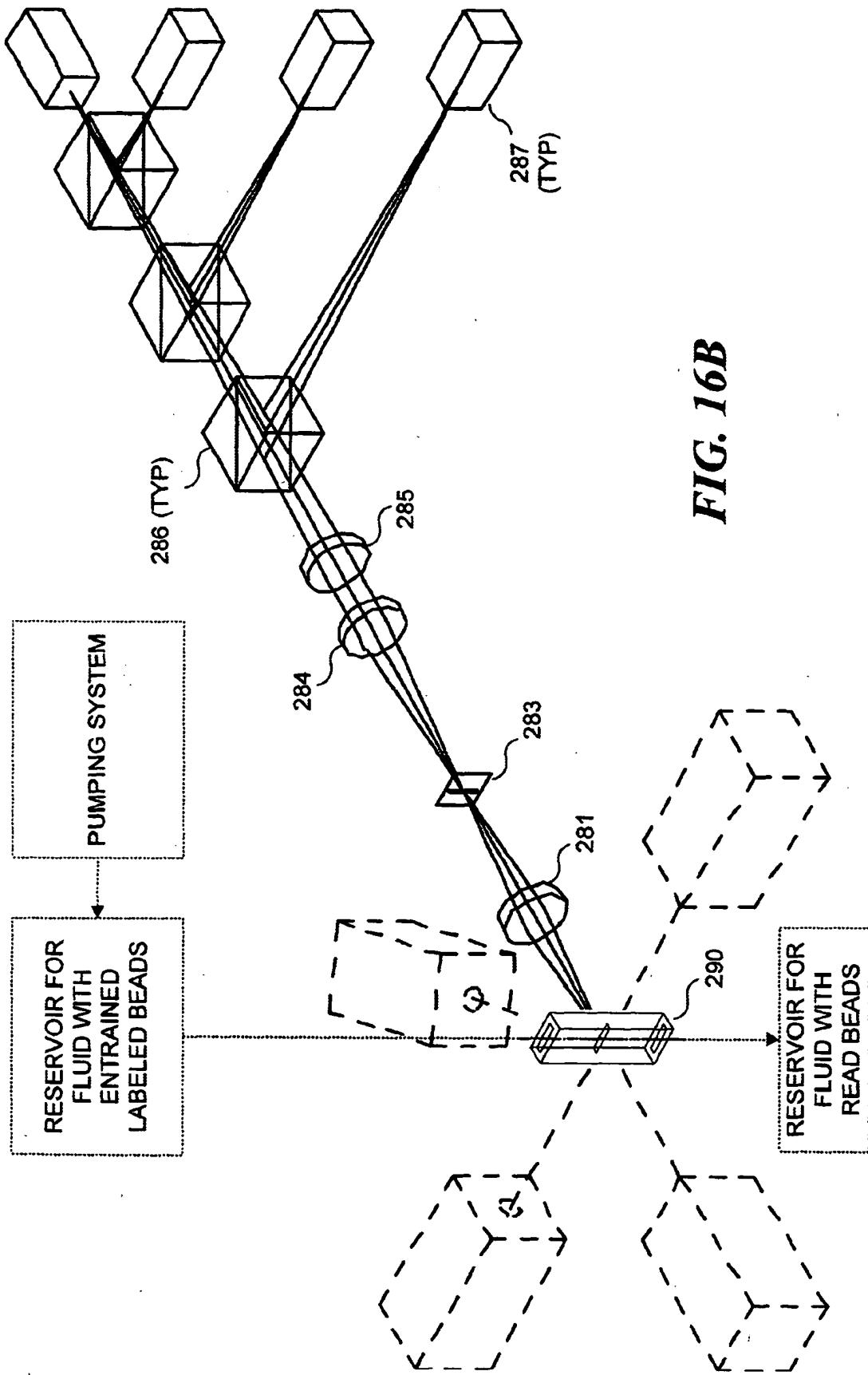


FIG. 16B

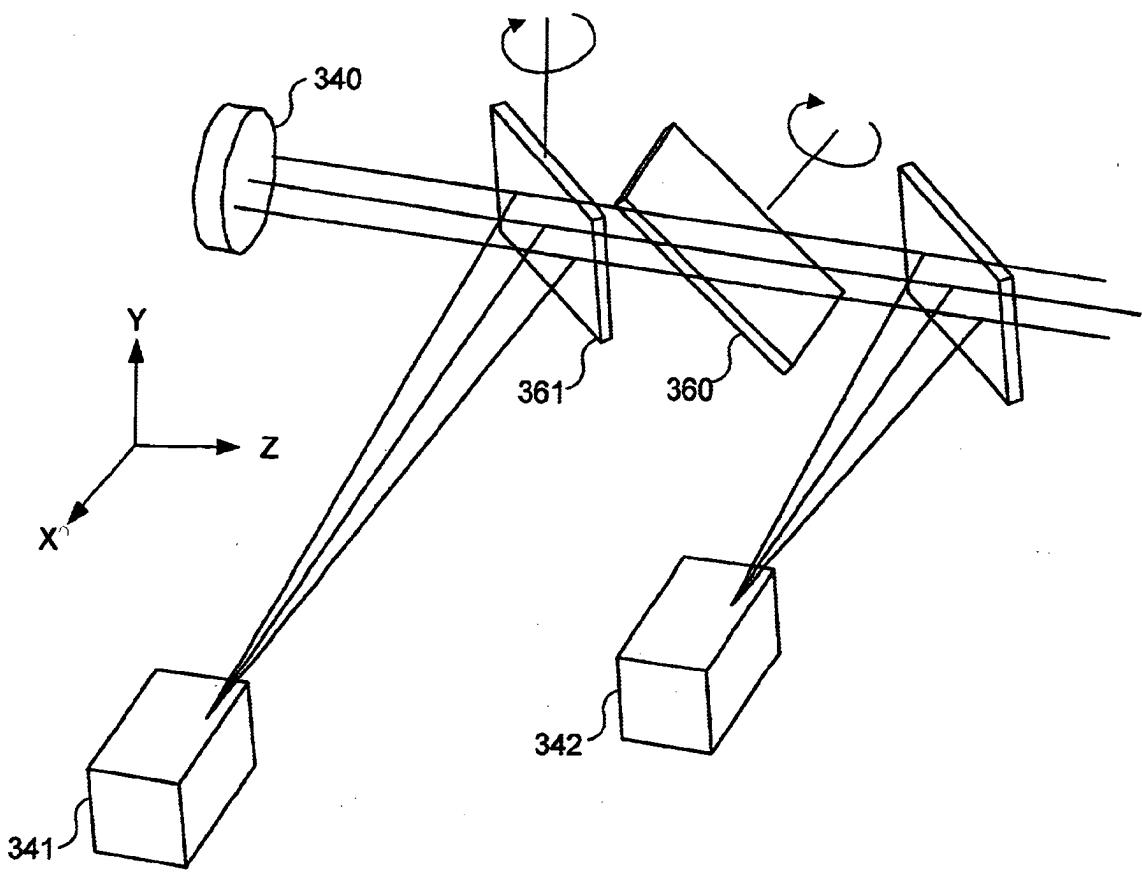


FIG. 16C

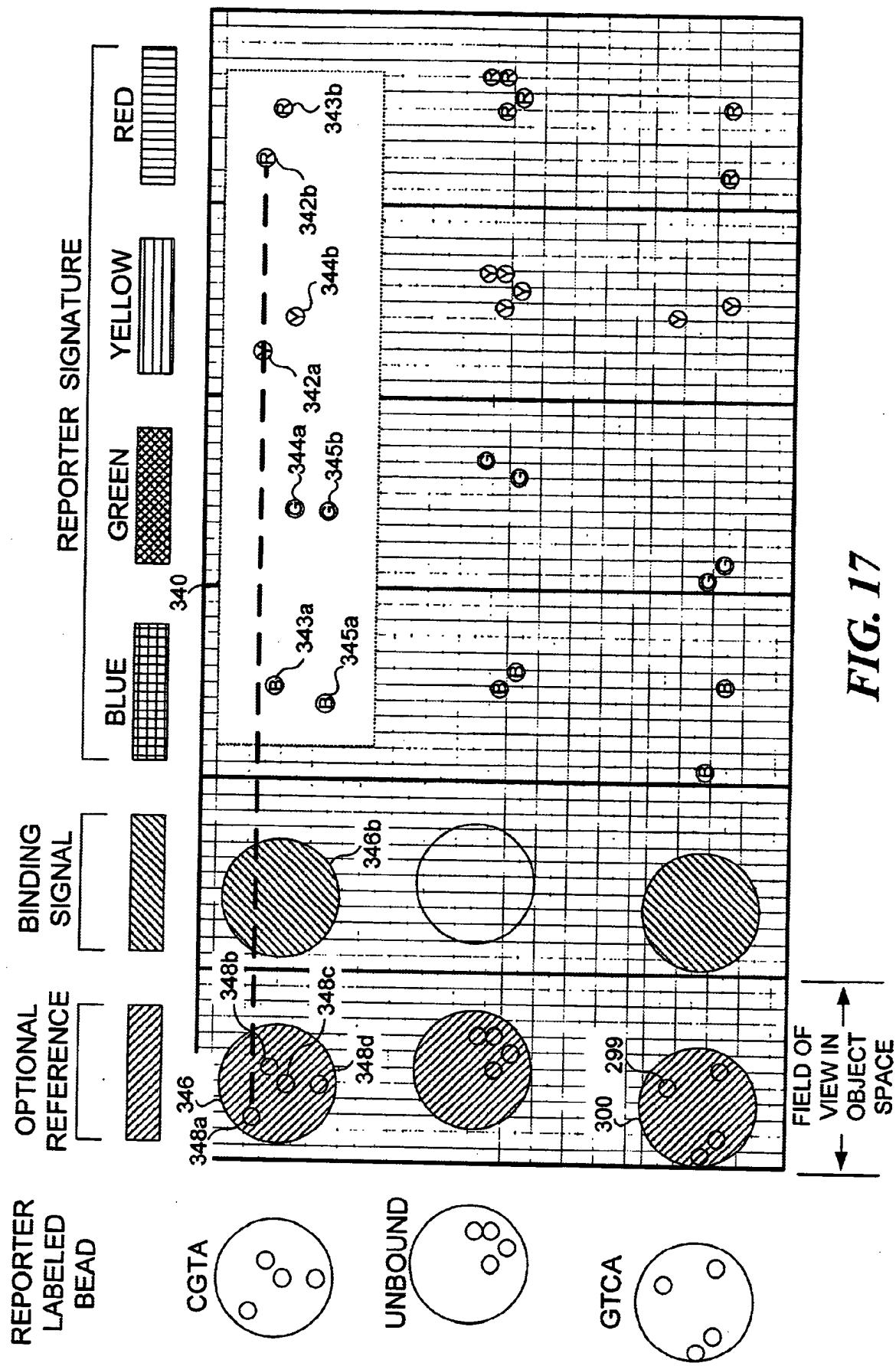
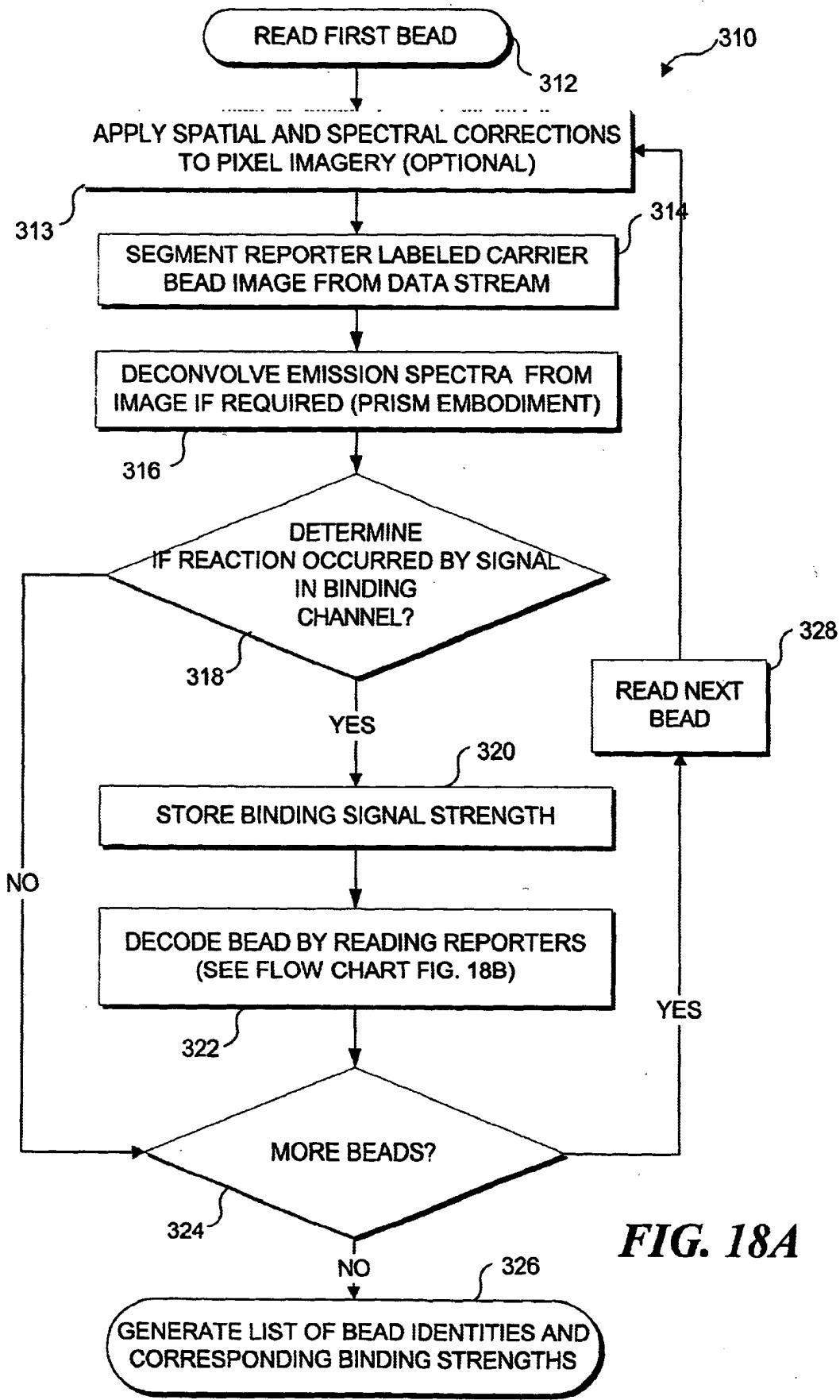


FIG. 17



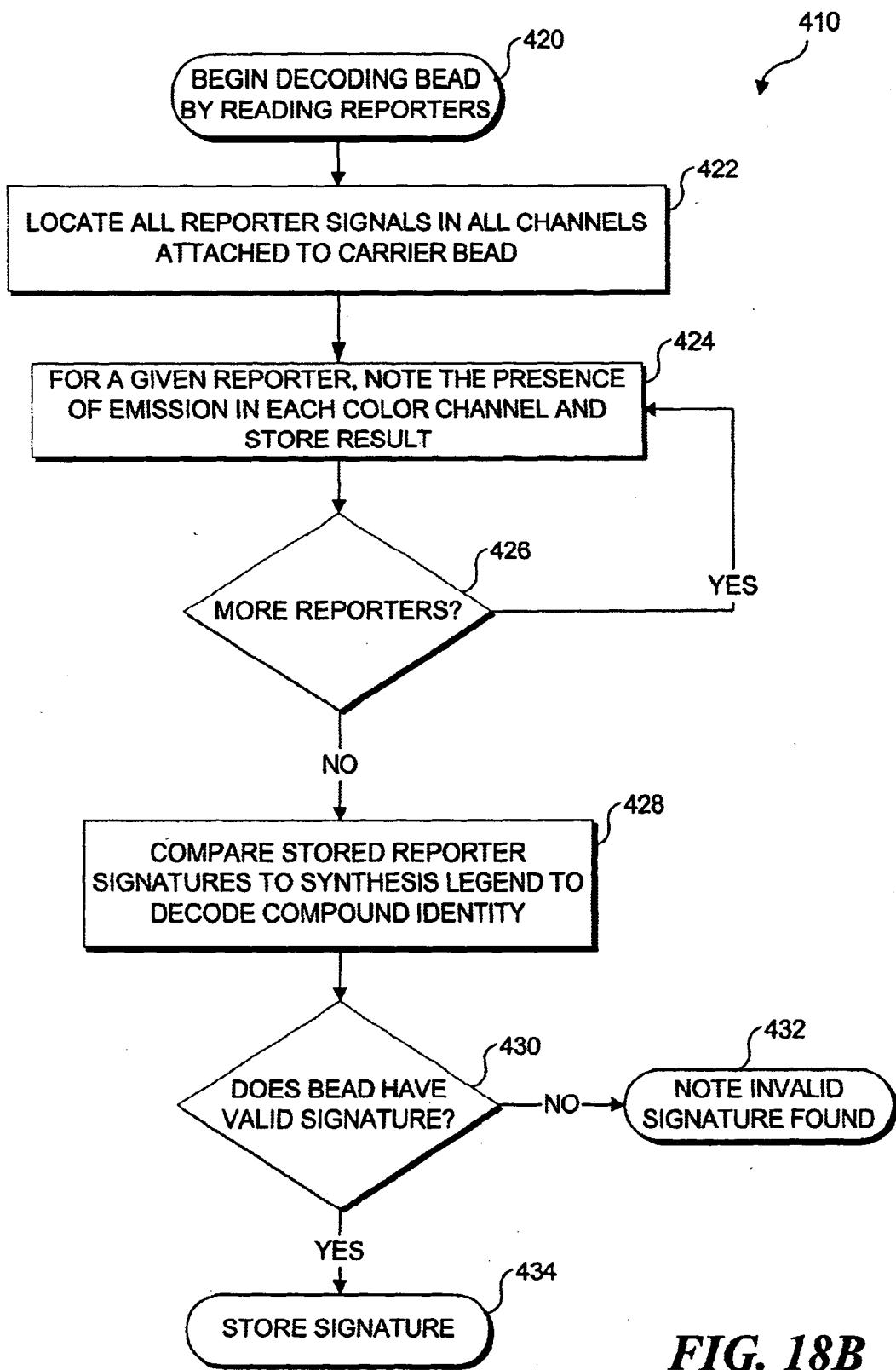


FIG. 18B

A T G C

--	--	--	--

			R
--	--	--	---

		Y	
--	--	---	--

		Y	R
--	--	---	---

1ST POSITION

A T G C

G			
---	--	--	--

G	R		
---	---	--	--

G	Y		
---	---	--	--

G	Y	R	
---	---	---	--

2ND POSITION

A T G C

B			
---	--	--	--

B	R		
---	---	--	--

B	Y		
---	---	--	--

B	Y	R	
---	---	---	--

3RD POSITION

A T G C

B	G		
---	---	--	--

B	G	R	
---	---	---	--

B	G	Y	
---	---	---	--

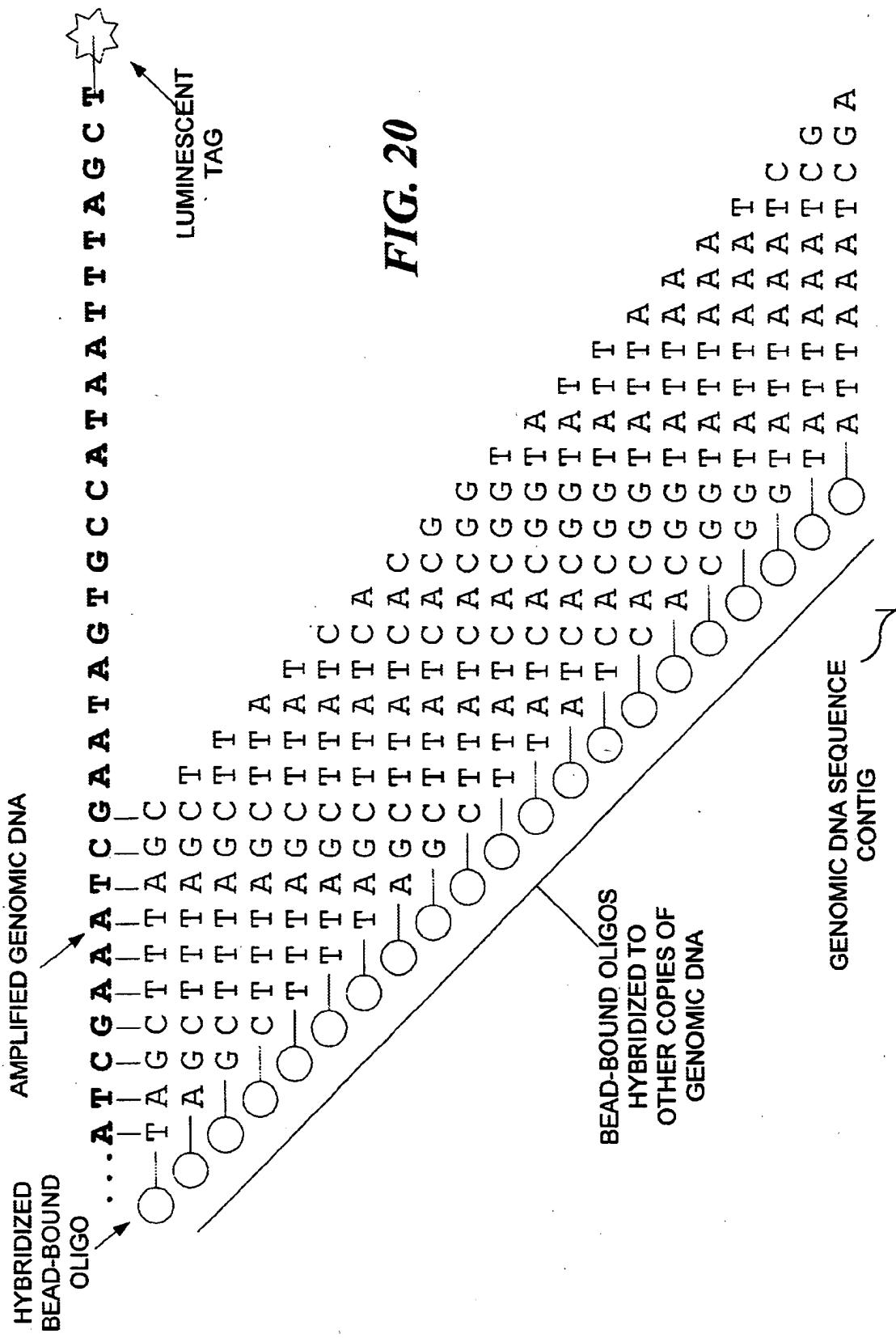
B	G	Y	R
---	---	---	---

4TH POSITION

REPORTER LEGEND

FIG. 19

FIG. 20



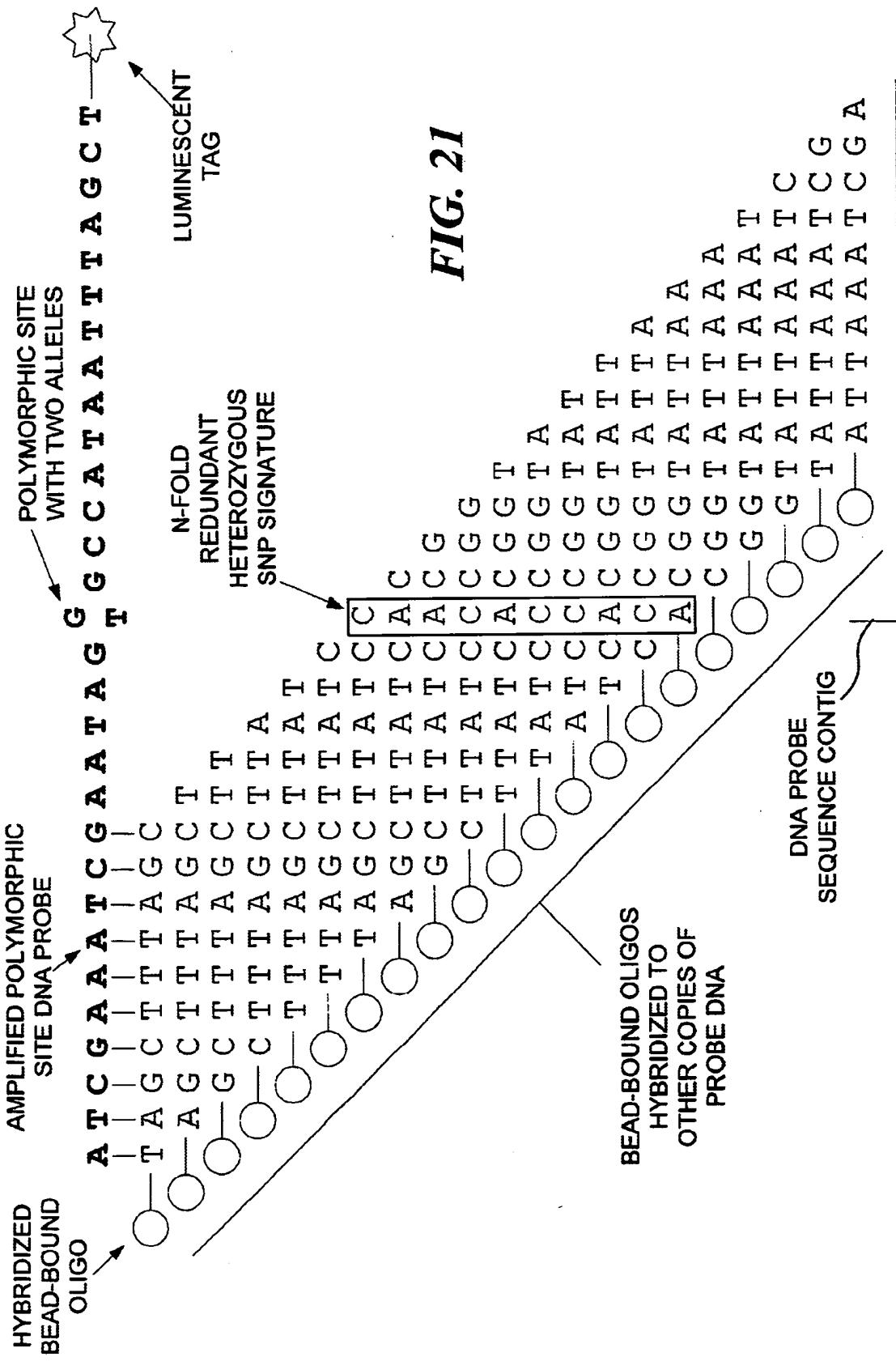


FIG. 21

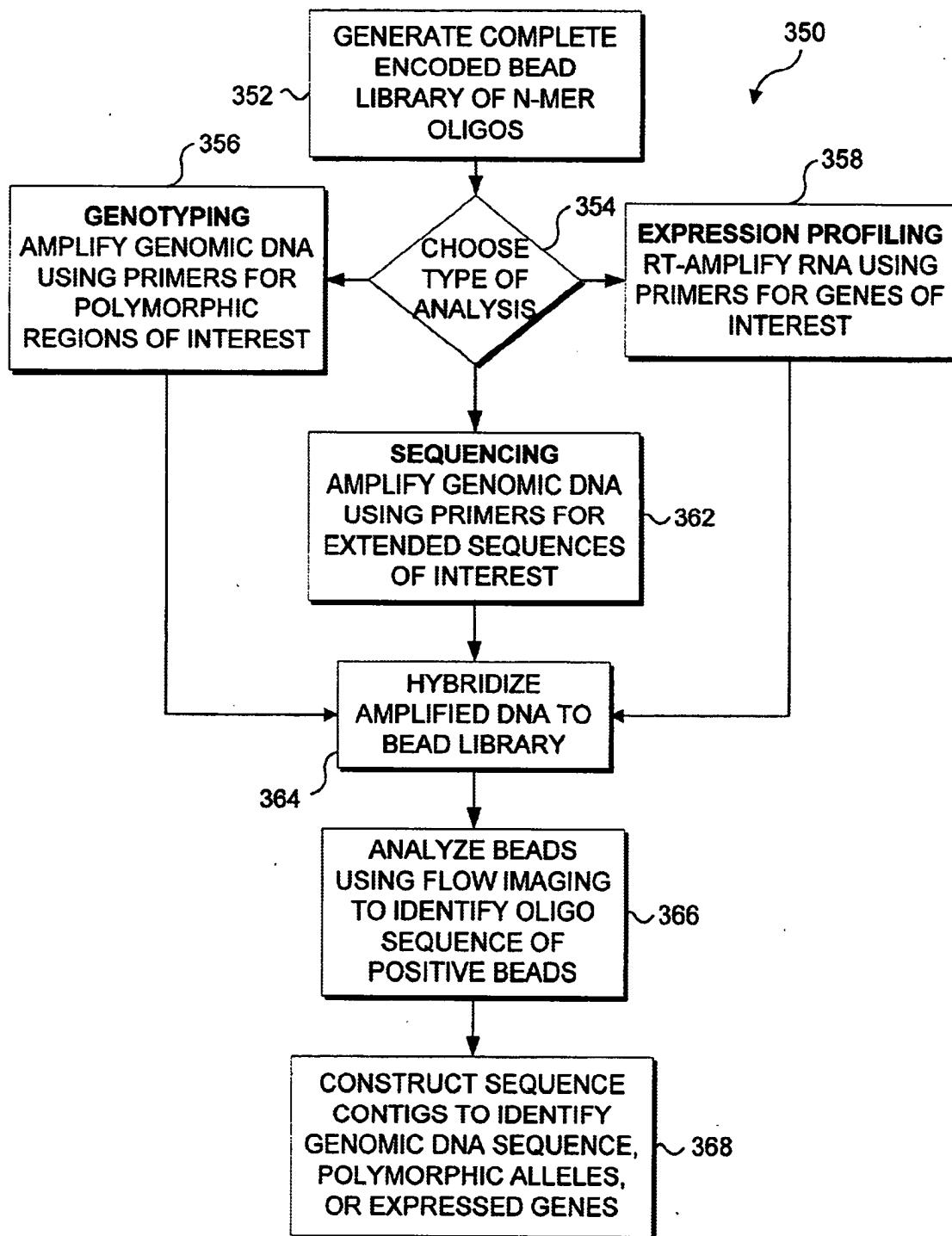


FIG. 22

Three-Channel System

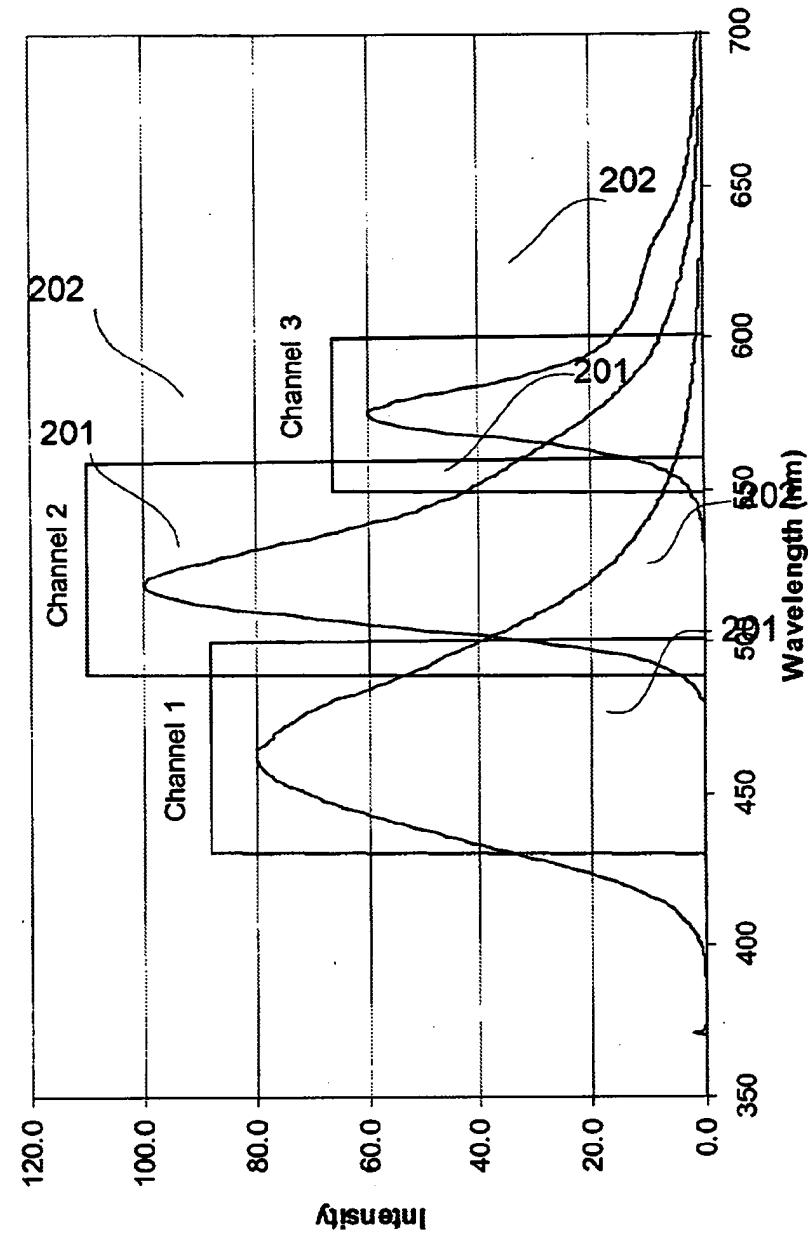
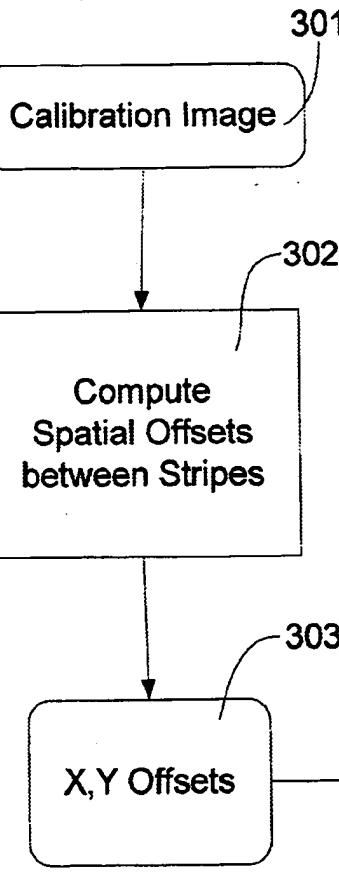
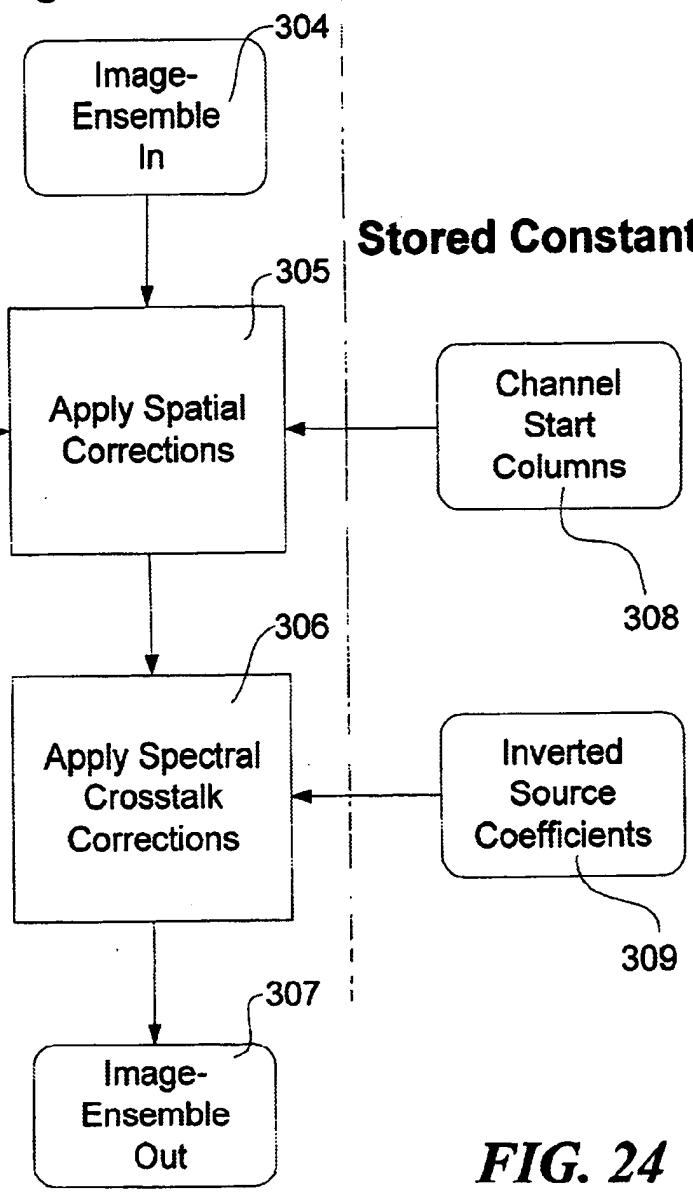


FIG. 23

Calibration**Image Processing****Stored Constants**

Channel Start Columns

Inverted Source Coefficients

FIG. 24

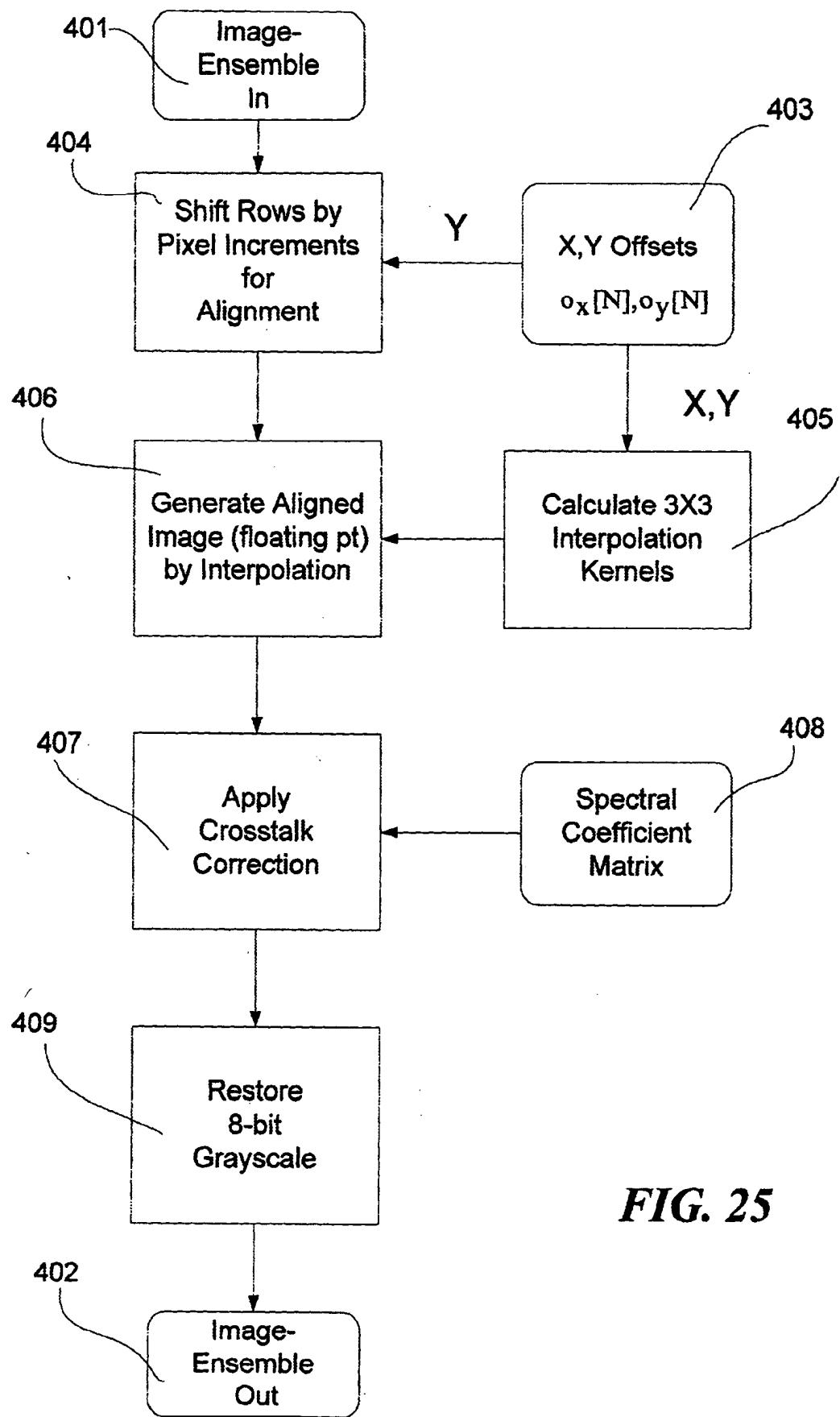


FIG. 25

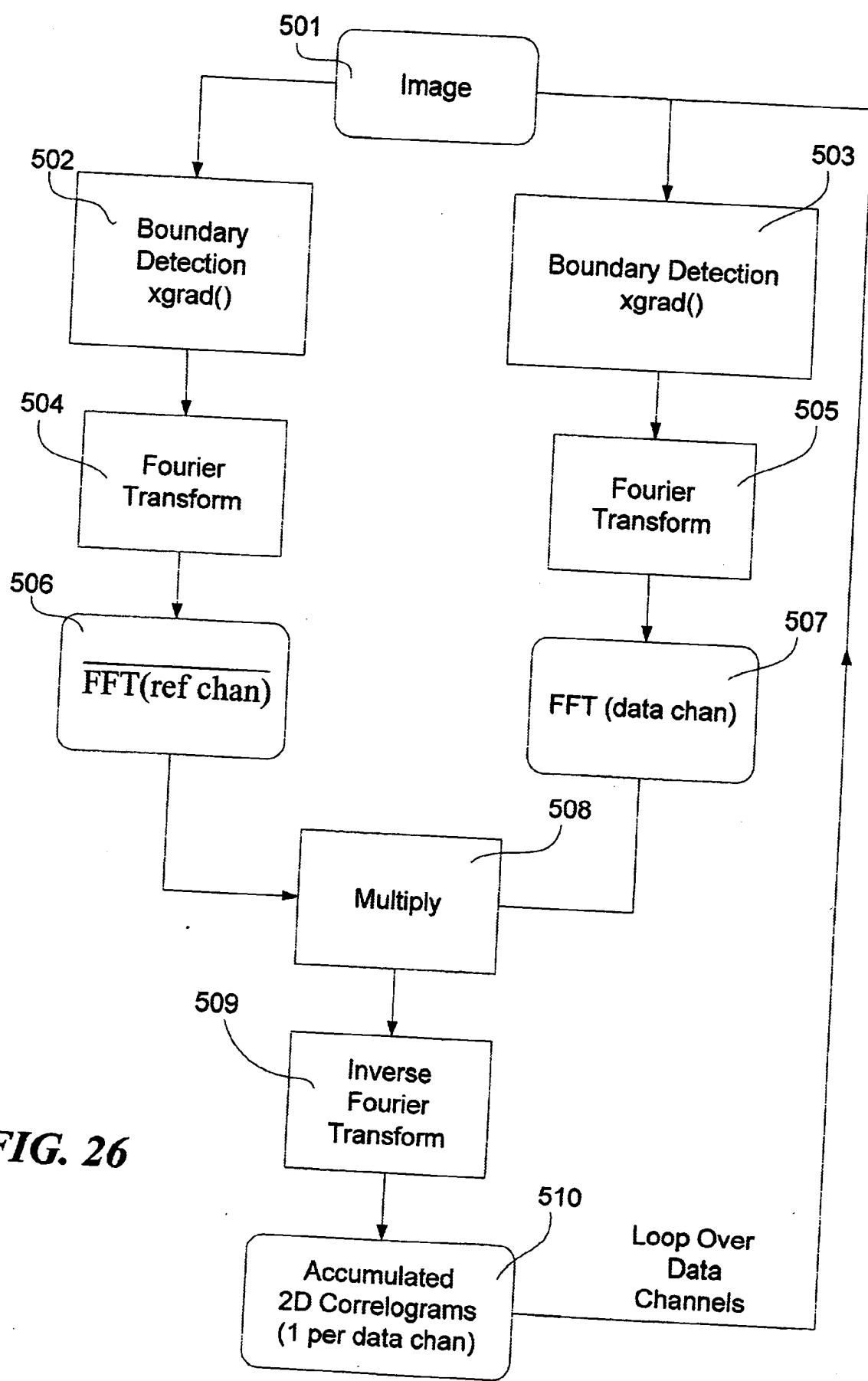


FIG. 26

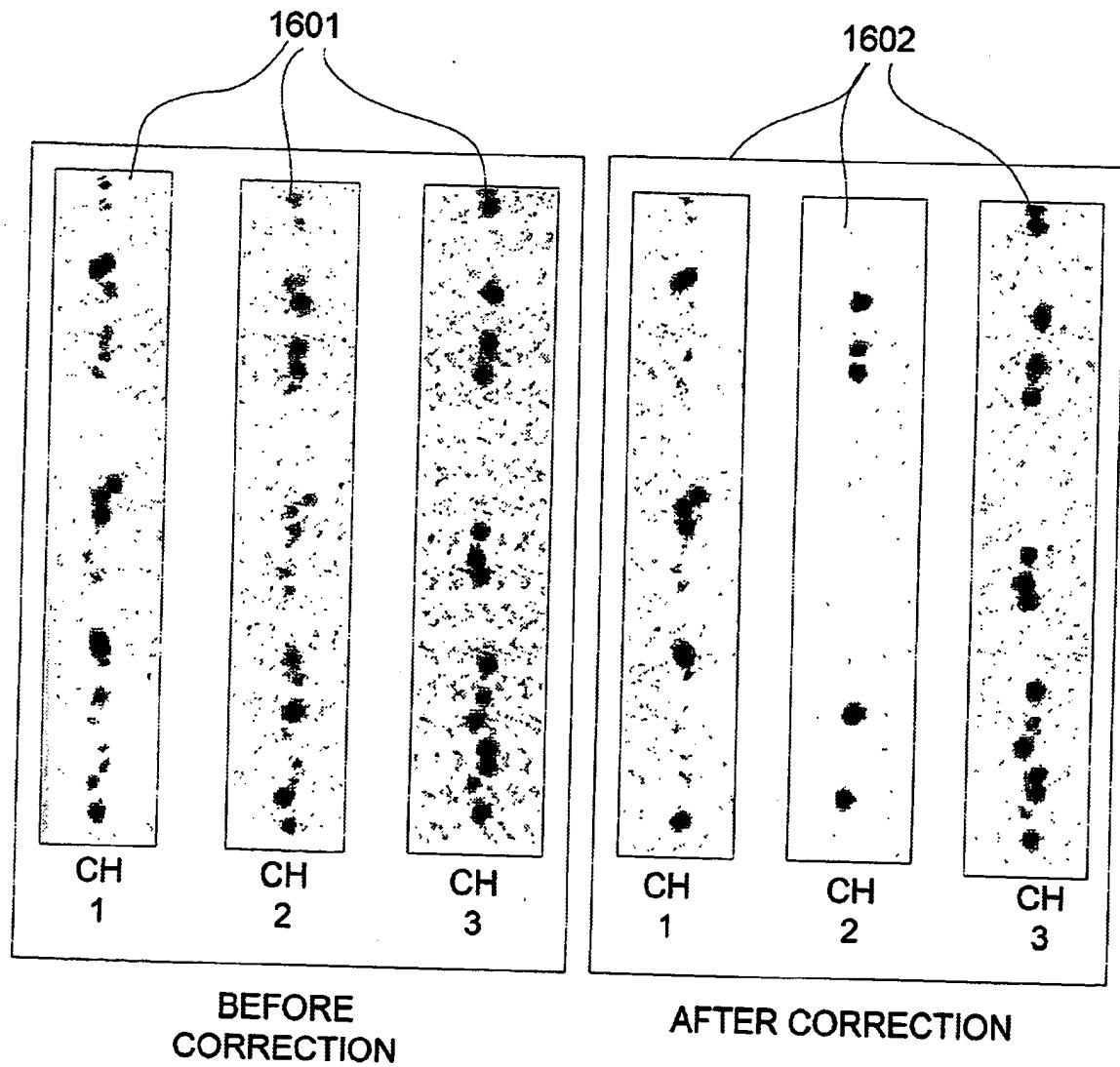


FIG. 27